

File 35:Dissertation Abs Online 1861-2009/Jul
(c) 2009 ProQuest Info&Learning

File 56:Computer and Information Systems Abstracts 1966-2009/Aug
(c) 2009 CSA.

File 57:Electronics & Communications Abstracts 1966-2009/Aug
(c) 2009 CSA.

File 60:ANTE: Abstracts in New Tech & Engineer 1966-2009/Aug
(c) 2009 CSA.

File 65:Inside Conferences 1993-2009/Aug 28
(c) 2009 BLDSC all rts. reserv.

File 95:TEME-Technology & Management 1989-2009/Aug W1
(c) 2009 FIZ TECHNIK

File 98:General Sci Abs 1984-2009/Aug
(c) 2009 The HW Wilson Co.

File 553:Wilson Bus. Abs. 1982-2009/Aug
(c) 2009 The HW Wilson Co

File 99:Wilson Appl. Sci & Tech Abs 1983-2009/Jul
(c) 2009 The HW Wilson Co.

File 108:Aerospace and High Technology Database 1962-2009/Aug
(c) 2009 CSA.

File 144:Pascal 1973-2009/Aug W4
(c) 2009 INIST/CNRS

File 239:Mathsci 1940-2009/Sep
(c) 2009 American Mathematical Society

File 256:TecTrends 1982-2009/Aug W4
(c) 2009 Info.Sources Inc. All rights res.

File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 2006 The Thomson Corp

File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
(c) 2002 Gale/Cengage

File 603:Newspaper Abstracts 1984-1988
(c)2001 ProQuest Info&Learning

File 483:Newspaper Abs Daily 1986-2009/Aug 28
(c) 2009 ProQuest Info&Learning

File 248:PIRA 1975-2009/Oct W3
(c) 2009 Pira International

File 34:SciSearch(R) Cited Ref Sci 1990-2009/Aug W4
(c) 2009 The Thomson Corp

File 8:Ei Compendex(R) 1884-2009/Aug W3
(c) 2009 Elsevier Eng. Info. Inc.

File 6:NTIS 1964-2009/Sep W1
(c) 2009 NTIS, Intl Cpyrght All Rights Res

File 2:INSPEC 1898-2009/Aug W3
(c) 2009 The IET

Set	Items	Description
S1	7589732	TEXT OR WORD?? OR STRING?? OR PHRASE?? OR TERM?? OR LANGUAGE?? OR SPEECH OR SPEAKER??
S2	99472	(DECOMPOS? OR BREAK??? OR PARSE?? OR PARSING OR DIVID??? OR SEPARAT??? OR SEGMENT??? OR DIVISION??)(5N)S1
S3	46556	AGGLUTIN?
S4	1389099	MORPHOLOG?
S5	13998	AU=(AOKI, K? OR AOKI K? OR INOKAWA, H? OR INOKAWA H? OR NAKAYAMA, A? OR NAKIYAMA A?)
S6	1907	S2 AND S4
S7	44	S6 AND S3

```

S8      33  RD  (unique items)
S9      6   S8 AND AUTOMAT?
S10     3   S9 NOT PY>2003
S11     0   S8 AND (MACHINE () TRANSLAT??? OR MINING)
S12     4   S8 AND (GERMAN??? OR JAPAN???)
S13     3   S12 NOT (S10 OR PY>2003)
S14     0   S5 AND S8
S15     0   S5 AND S6

```

^10/3,K/1 (Item 1 from file: 99)

DIALOG(R)File 99: Wilson Appl. Sci & Tech Abs
(c) 2009 The HW Wilson Co. All rights reserved.

2216804 H.W. Wilson Record Number: BAST0100065

Multilinguality in speech and spoken language systems

Waibel, Alex ; Geutner, Petra; Tomokiyo, Laura Mayfield
Proceedings of the IEEE v. 88 no8 (Aug. 2000) p. 1297-313
Document Type: Feature Article **ISSN:** 0018-9219

Abstract: Building modern speech and language systems currently requires large data resources such as texts, voice recordings, pronunciation lexicons, **morphological** decomposition information, and parsing grammars. Based on a study of the most important differences between language groups, we introduce approaches to efficiently deal with the... ..reduced the resource requirements by applying acoustic model combination, bootstrapping, and adaptation techniques. Similar algorithms have been applied to improve the recognition of foreign accents. **Segmenting language** into appropriate units reduces the amount of data required to robustly estimate statistical models. The underlying **morphological** principles are also used to **automatically** adapt the coverage of our speech recognition dictionaries with the Hypothesis Driven Lexical Adaptation (HDLA) algorithm. This reduces the out-of-vocabulary problems encountered in **agglutinative** languages. Speech recognition results are reported for the read Global/Phone Database and some broadcast news data. For speech translation, using a task-oriented Interlingua...

Descriptors:

^10/3,K/2 (Item 1 from file: 2)

DIALOG(R)File 2: INSPEC

(c) 2009 The IET. All rights reserved.

08220188

Title: Finite-state computational morphology-treatment of the Zulu noun

Author(s): Pretorius, L.; Bosch, S.E.

Author Affiliation: Dept. of Comput. Sci. & Inf. Syst., South Africa Univ., Pretoria, South Africa

Book Title: Hardware, Software and Peopleware. South African Institute of Computer Scientist and Information Technologists Annual Conference

Inclusive Page Numbers: 45-53

Publisher: Unisa Press, Pretoria

Country of Publication: South Africa

Publication Date: 2001

Conference Title: Proceedings of SAICSIT 2001. South African Institute of Computer Science and Information Technology Annual Conference

Conference Date: 25-28 Sept. 2001

Conference Location: Pretoria, South Africa

Editor(s): Renaud, K.; Kotze, P.; Barnard, A.

File 344:Chinese Patents Abs Jan 1985-2006/Jan
(c) 2006 European Patent Office
File 347:JAPIO Dec 1976-2009/Mar(Updated 090708)
(c) 2009 JPO & JAPIO
File 350:Derwent WPIX 1963-2009/UD=200954
(c) 2009 Thomson Reuters

Set	Items	Description
S1	2159855	TEXT OR WORD?? OR STRING?? OR PHRASE?? OR TERM?? OR LANGUAGE?? OR SPEECH OR SPEAKER??
S2	33897	(DECOMPOS? OR BREAK??? OR PARSE?? OR PARSING OR DIVID??? OR SEPARAT??? OR SEGMENT??? OR DIVISION???) (5N) S1
S3	11975	AGGLUTIN?
S4	18888	MORPHOLOG?
S5	15759	AU=(AOKI, K? OR AOKI K? OR INOKAWA, H? OR INOKAWA H? OR NAKAYAMA, A? OR NAKIYAMA A?)
S6	20	S2 AND S3
S7	0	S6 AND S4
S8	10	S6 NOT AD=20030212:20090826/PR
S9	2	S8 AND AUTOMAT?
S10	2	S8 AND IC=G06F?
S11	0	S10 NOT S9
S12	0	S5 AND S6
S13	400	S2 AND S4
S14	344	S13 AND IC=G06F?
S15	69	S14 AND AUTOMAT?
S16	36	S15 NOT (S9 OR AD=20030212:20090826/PR)
S17	0	S16 AND (MACHINE() TRASNSLAT??? OR MINING)
S18	10	S16 AND (GERMAN??? OR JAPAN???)
S19	1	S18 AND (COMPOUND OR (MULTI OR MULTIPLE) () SYLLABLE?? OR COMPLEX)
S20	9	S18 NOT S19
S21	1	S5 AND S13
S22	0	S21 NOT (S9 OR S18 OR S19 OR AD=20030212:20090826/PR)

^^^9/3,K/1 (Item 2 from file: 350)
DIALOG(R)File 350: Derwent WPIX
(c) 2009 Thomson Reuters. All rights reserved.
0011209275

WPI Acc no: 2002-148069/200219
XRPX Acc No: N2002-112202

Automatic method of determining whether a word is a solid compound word by looking up the word and, if necessary, all possible divisions of the word into a prefix and suffix to determine whether the word is a solid compound word

Patent Assignee: HAPAX INFORMATION SYSTEMS AB (HAPA-N); HAPAX LTD (HAPA-N)
Inventor: EJERHED E; EJERHED E I